Approved for use through 07/31/2006. OMB 0651-0032
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UTILITY
PATENT APPLICATION
TRANSMITTAL

Attorney Docket No. 282172002800 Thomas W. DUBENSKY, Jr. First Inventor

PATENT APPLICATION		MODIFIED FREE-LIVING MICROBES, VACCINE						
TRANSMITTAL	Title	COMPOSITIONS AND METHODS OF USE						
(Only for new nonprovisional applications under 37 CFR 1.53(b))		THEREOF						
(Only for first troubles apparent	Expres	ss Mail Label No. EV332776828 US						
		MS Patent Application —						
APPLICATION ELEMENTS		Language Commissioner for Patents OO I						
See MPEP chapter 600 concerning utility patent application co	ntents.	P.O. Box 1450						
		Alexandria, VA 22313-1450						
Fee Transmittal Form (e.g., PTO/SB/17) (2 pages) (Submit an original, and a duplicate for fee processing)		7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)						
Applicant claims small antity status		8. Nucleotide and/or Amino Acid Sequence Submission						
2. X See 37 CFR 1.27.		8. (if applicable, all necessary)						
3. X Specification [Total Pages 17	Specification [Total Pages 173] a. X Computer Readable Form (CRF) (1 disk)							
(preferred arrangement set forth below)		b. Specification Sequence Listing on:						
Descriptive title of the invention Cross Reference to Related Applications		i CD-ROM or CD-R (2 conjes); or ii V Paper (18						
 Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, 		pages)						
or a computer program listing appendix		c. X Statements verifying identity of above copies (2 pages)						
Background of the Invention Brief Summary of the Invention		ACCOMPANYING APPLICATION PARTS						
 Brief Description of the Drawings (if filed) 		9. Assignment Papers (cover sheet & document(s))						
- Detailed Description - Claim(s)		10. 37 CFR 3.73(b) Statement Power of						
- Abstract of the Disclosure		(when there is an assignee)						
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 5	51]	11. English Translation Document (if applicable)						
5. Oath or Declaration [Total Sheets		12. Information Disclosure Copies of IDS						
		Statement (IDS)/PTO-1449 Citations						
a. Newly executed (original or copy)		13. Preliminary Amendment						
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)		14. Retum Receipt Postcard (MPEP 503) (Should be specifically itemized)						
DELETION OF INVENTOR(S)		15. Certified Copy of Priority Document(s)						
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)		(if foreign priority is claimed)						
named in the prior application,		16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.						
see 37 CFR 1.63(d)(2) and 1.33(b).		17. Other:						
		17. Landourer.						
6. X Application Data Sheet. See 37 CFR 1.76 (4 pages)								
		oly the requisite information below and in the first sentence of the						
specification following the title, or in an Application Data Sheet								
Continuation Divisional Continuation	1-in-part ((CIP) of prior application No.:						
Prior application information: Examiner		Art Unit:						
		ure of the prior application, from which an oath or declaration is supplied ng continuation or divisional application and is hereby incorporated by						
		is been inadvertently omitted from the submitted application parts.						
19. COF	RRESPC	ONDENCE ADDRESS						
x Customer Number: 25226		OR Correspondence address below						
X Customer Number: 25226		Correspondence address below						
Name								
Address								
City Sta	ate	Zip Code						
	lephone	Fax						
Name (Print/Type) Alicia J. Hager	_/	Registration No. (Attorney/Agent) 44,140						
Signature	//	Date February 6, 2004						
1111	<u> </u>	A second						
I hereby certify that this correspondence is being depos	ited with	the U.S. Postal Service as Express Mail, Airbill No. EV332776828 US,						
in an envelope addressed to: MS Patent Application, Commissioner for Patenter P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.								
	1	////						
Dated: February 6, 2004 Signature: (Alicia L Hager)								
11								

PTO/SB/17 (10-03)

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CEE TO A NOMITTAL		Compl te if Kn wn						
FEE TRANSMITTAL			Application Number Not Yet Assigned					
for FY 2004			Date		Concurrently Herewith			
		First Named Inventor			ntor Thomas W. DUBENSKY, Jr.			
Effective 10/01/2003, Patent fees are subject to annual revision.		Exam	iner Na	ame	Not Yet Assigned			
X Applicant claims small entity status. See 37 CFR 1.27		Art Ur	it		Not Yet Assigned			
TOTAL AMOUNT OF PAYMENT (\$) 1244.00	\dashv			ket No	282172002800			
METHOD OF PAYMENT (check all that apply)					CALCULATION (continued)			
Credit Money	2 4	DDITI	SNAL					
Check Card Order Other None	3. A	DDITIO	JNAL	rees				
X Deposit Account:		. F-4'4.	C11	E-414.				
Deposit Account 03-1952	Fee	Entity Fee	Fee	Entity	- Eas Dassadation			
Number	Code	(\$)	Code	(\$)	Fee Description Fee Paid			
Deposit Account Morrison & Foerster LLP	1051	130	2051	65	Surcharge – late filing fee or oath			
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet.			
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English specification			
X Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812		For filing a request for ex parte reexamination Requesting publication of SIR prior to			
Charge fee(s) indicated below, except for the filling fee	1804	920*	1804	920*	Examiner action			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action			
FEE CALCULATION	1251	110	2251	55	Extension for repty within first month			
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month			
Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid	1253	950	2253	475	Extension for reply within third month			
Code (\$) Code (\$)	1254	1,480	2254		Extension for reply within fourth month			
1001 770 2001 385 Utility filing fee 385.00	1255	2,010	2255		Extension for reply within fifth month			
1002 340 2002 170 Design filing fee 1003 530 2003 265 Plant filing fee	1401	330 330	2401	165 165	Notice of Appeal Filing a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 385.00	1452	110	2452	55	Petition to revive – unavoidable			
(4)	1453	1,330	2453		Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)			
Claims below Fee Paid	1502	480	2502	240	Design issue fee			
Total Claims 82 -20** = 62 x 9 = 558 Independent 10 3** = 7 x 43 = 201	1503	640	2503	320	Plant issue fee			
Claims 10 -3 - 7 x - 43 - 301	1460 1807	130 50	1460	130 50	Petitions to the Commissioner Processing fee under 37 CFR 1,17(g)			
Multiple Dependent 145 = 0					`"			
Large Entity Small Entity Fee	1806	180	1806	180	Submission of Information Disclosure Stmt Recording each patent assignment per			
Code (\$) Code (\$)	8021	40	8021	40	property (times number of properties)			
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))			
1203 290 2203 145 Multiple dependent claims in excess of 3	1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))			
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	Request for Continued Examination (RCE)			
over original patent	1802	900	1802	900	Request for expedited examination			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	Other	fee (spe	i cify)		of a design application			
SUBTOTAL (2) (\$) 859.00				ling Fee	Paid SUBTOTAL (3) (\$) 0.00			
**or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, see above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if greater, For Reissues, See above **Or number previously paid, if								
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Alicia J. Hager	Regist (Attorn	ratien No ey/Agent)	44	,140	Telephone (650) 813-4296			
Signature /	4	a			Date February 6, 2004			
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